



Environmental Performance

Minimize Environmental Impact While Increasing Efficiencies

BENEFITS

Comprehensive emissions management

- Establish an auditable system of record for air, water, and waste and chemical inventory
- Provide platform for efficient regulatory and voluntary environmental reporting

Track data to the asset level

- Facilitate acquisition and validation of asset-level data from process automation systems

Improve environmental efficiency

- Allow benchmarking performance across assets for optimization

The Sphera solution helps organizations comply with regulatory mandates across the globe, including the U.S. Clean Air Act, Clean Water Act and Resource Conservation and Recovery Act, Canada's National Pollutant Release Inventory Act, the European Pollutant Emission Register and Australia's National Pollutant Inventory.

Increasing pressure not only from laws and regulations, but also investors and independent reporting bodies to disclose enterprise sustainability information is forcing many companies to establish more reliable and credible environmental management processes.

To achieve their environmental performance and enterprise sustainability goals, global organizations must be certain that their data is consistent, accurate, and transparent. Efficiently collecting and calculating large volumes of asset-based data from multiple sources, and communicating progress against regulatory, industry or corporate goals has become critical to business success.

Sphera enables your organization to consolidate its environmental reporting practices by managing the full spectrum of emissions, waste and water discharges within a single solution. This unified approach streamlines data management, reduces the likelihood of errors, eliminates redundant data entry and transforms environmental management into an opportunity for competitive advantage.

“From the beginning, we focused on data quality as a top priority. As we migrated 10 to 20 years of data forward from those different legacy systems, we carefully cleaned and rationalized it. Fortunately, we are now automating the capture of real-time air emissions data directly from our PHD [process history database] into the SPHERA system, which performs the necessary flaring and emission calculations and reporting, so we can accelerate our workflows and ensure data integrity.”

-ADGAS

The Sphera Environmental Performance Solution combines enterprise software and world-class content, along with deep domain and industry expertise to help organizations efficiently collect and aggregate emissions data and communicate results consistent with ISO 14001 standards.

Our flexible software framework advances proactive executive decisions by aligning environmental performance with operational objectives to provide real-time visibility into progress against sustainability goals. Sphera provides the robust environmental information and insight executives need to manage environmental performance information with the same rigor as financial performance information.

Software Capabilities



Air Emissions

Tracks, analyzes and reports any pollutant air emission.



Water Usage and Discharge

Supports improved resource utilization and cost-control strategies by providing information for surface water discharge, groundwater remediation projects, drinking water sampling, or treatment effectiveness and reporting needs.



Auditing

Captures and manages operational data in order to assure compliance with government regulations, global protocols, industry standards and corporate policies.



Performance Metrics

Analyzes, benchmarks and rolls-up environmental performance indicators for monitoring and managing of site level, intermediate or overall corporate goals.



Process Data Management

Provides out-of-the-box, rapid implementation connectivity with field devices and data historians to establish and maintain end-to-end environmental data source access and integrity.



Waste

Follows waste container movements from generation to final disposal. Creates waste profiles and transporters; establishes approved treatment, storage and disposal facilities; and generates hazardous waste manifests in all regulatory formats.



Chemical Inventory

Reports toxic substances emitted to air, water and waste in accordance with mandated threshold analyses.



Permits & Regulatory Applicability

Streamlines and delivers content to enable efficient processing of applications and management of environmental permits.



Task Management

Automates environmental compliance tasking with built-in change management for regulatory compliance that is comprehensive, assured, verifiable and sustained.

For decades, our team of experts has empowered thousands of industry leaders around the world – helping them achieve their business goals. Read about results achieved by dozens of award-winning organizations at www.sphasolutions.com.



www.vanguardasia.com.sg

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ABOUT Sphera Solutions

Sphera is the largest, global provider of software and information services in the operational risk, environmental performance and product stewardship markets. For more than 30 years, we have served over 2,500 customers and +1 million users in 70 countries optimize workflows and navigate the complex and dynamic global regulatory structure.